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Neutralising monoclonal antibodies against human interferon alpha -  
prepd. by usual cell fusion then characterisation in neutralisation test  
before establishing stable hybridomas

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Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DD 277087	A	19900321	DD 321978	A	19881121	199043 B

Priority Applications (No Type Date): DD 321978 A 19881121

Abstract (Basic): DD 277087 A

Prodn. of neutralising monoclonal antibodies (MAb) against human  
interferon (IFN) alpha comprises (1) immunising BALB/c mice with native  
IFN alpha; (2) fusing spleen cells with myeloma cells; (3) selecting  
the resulting hybridomas; (4) determination of antigen determinant  
specificity by ELISA and solid phase bioassay; (5) biological  
characterisation of the MAb produced by a neutralisation test; (b)  
cloning and recloning selected hybridomas by micromanipulation of  
individual cells in a special appts. to establish stable hybridoma  
lines; (7) cultivating or transplanting the new hybridomas H/B 71C6 or  
H/B 71E3 (ZIM 0283 and 0284, respectively), and (8) recovering MAb  
ZIMET B71C6 or B71E3 from the culture supernatant or ascites fluid.

USE/ADVANTAGE - MAb are useful for (1) neutralising biological  
activity of IFN-alpha in biological or medical research; (2) for  
immunochemical diagnostic determinations and (3) for immuno-affinity  
chromatographic purification of IFN-alpha. (3pp Dwg.No.0/0)

Derwent Class: B04; D16

International Patent Class (Additional): C12N-005/02; C12P-021/00